

Listing of the Claims:

Claims 1-3 (Canceled).

Claim 4 (Currently Amended): ~~The~~ An echo canceller ~~according to Claim 1, for~~
~~removing an echo component by using an adoptive algorithm, the echo canceller~~
~~comprising:~~

a pseudo-echo forming means including a pseudo-echo generation section
for generating a pseudo-echo signal in accordance with a tap coefficient and a far-
end input signal, and a coefficient update section for updating the tap coefficient;

a sending filter means for removing a low-frequency component included in
a near-end input signal component;

a pseudo-echo filter means for removing a low-frequency component
included in the pseudo-echo signal from the pseudo-echo forming means; and

an echo cancellation means for removing an echo component included in the
near-end input signal component passing through the sending filter means, and an
echo component in accordance with a pseudo-echo signal passing the pseudo-echo
filter means; and

a receiving filter means for removing a low-frequency component from the
far-end input signal component, the receiving filter means being disposed between
a far-end input terminal and the pseudo-echo forming means;

wherein the sending filter means, the pseudo-echo filter means, and the
receiving filter means are variable filters;

the echo canceller further comprising a switch control means which detects

presence or absence of a second band component on a sending path and a receiving path, the second band component being different from ~~the~~ a first band component that is a conventional telephone band, the echo canceller controlling the removal frequency band of the sending filter means, the pseudo-echo filter means, and the receiving filter means in accordance with a result obtained by the detecting of the second band component.

Claim 5 (Original): The echo canceller according to Claim 4, wherein the switch control means detects a low-frequency component included in the far-end input signal component and the near-end input signal component, and the frequency band to be removed by the sending filter means, the pseudo-echo filter means, and the receiving filter means is controlled in accordance with a power of the detected low-frequency component.

Claim 6 (Original): The echo canceller according to Claim 4, wherein the switch control means controls a frequency band to be removed by the sending filter means, the pseudo-echo filter means, and the receiving filter means in accordance with a degree of influence on the tap coefficient updated by the coefficient update section by means of a non-fixed offset component of the far-end input signal in the low-frequency component.

Claim 7 (Original): The echo canceller according to Claim 6, wherein the switch control means obtains a mean value of the tap coefficients updated by the

coefficient update section, and the tap coefficient determines a degree of influence by the offset component in the low-frequency component included in the far-end input signal in accordance with a result of comparison between the mean value of the tap coefficient and a predetermined value.

Claim 8 (Currently Amended): ~~The~~ An echo canceller according to Claim 1,
for removing an echo component by using an adoptive algorithm, the echo
canceller comprising:

a pseudo-echo forming means including a pseudo-echo generation section
for generating a pseudo-echo signal in accordance with a tap coefficient and a far-
end input signal, and a coefficient update section for updating the tap coefficient;

a sending filter means for removing a low-frequency component included in
a near-end input signal component;

a pseudo-echo filter means for removing a low-frequency component
included in the pseudo-echo signal from the pseudo-echo forming means; and

an echo cancellation means for removing an echo component included in the
near-end input signal component passing through the sending filter means, and an
echo component in accordance with a pseudo-echo signal passing the pseudo-echo
filter means; and

a receiving filter means for removing a low-frequency component from the
far-end input signal component, the receiving filter means being disposed between
a far-end input terminal and the pseudo-echo forming means;

wherein the sending filter means, the pseudo-echo filter means, and the

receiving filter means are variable filters;

the echo canceller further comprising a filter characteristics control means for controlling the frequency band to be removed by the sending filter means, the pseudo-echo filter means, and the receiving filter means, in accordance with ~~the~~ a tap length specified in the pseudo-echo forming means.